Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	09/14/2017 10:19 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/17/2017 11:48 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123978	-1	1.76	123753	1.76
Blue	F	SSC	125000	122744	-2	3.30	122893	3.06
Blue	E	FITC	23795	22983	-4	2.75	1027	10.80
Blue	D	PE	29673	29166	-2	2.38	1044	10.62
Blue	B	PerCP-Cy5-5	48943	48144	-2	3.79	1380	17.49
Blue	A	PE-Cy7	44112	43426	-2	5.64	670	37.51
Red	C	APC	54273	53606	-2	2.79	3095	9.62
Red	A	APC-Cy7	54945	53926	-2	2.81	1124	11.30
Violet	B	V450	15756	14801	-7	4.38	708	9.18
Violet	A	V500	62569	60443	-4	4.18	2678	6.77

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19042	3.95	614	0	N/A	N/A	Pass
Blue	F	SSC	60552	1.86	549	3	N/A	N/A	Pass
Blue	E	FITC	113	41.86	550	0	0.0190	225	Pass
Blue	D	PE	228	30.35	549	3	0.1322	200	Pass
Blue	B	PerCP-Cy5-5	212	48.49	639	0	0.0096	159	Pass
Blue	A	PE-Cy7	70	128.68	695	-4	0.0107	16	Pass
Red	C	APC	362	27.35	600	0	0.0193	14	Pass
Red	A	APC-Cy7	123	40.95	577	-7	0.0054	1576	Pass
Violet	B	V450	86	43.18	476	4	0.0486	2203	Pass
Violet	A	V500	193	24.50	505	6	0.0139	713	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.34	-30.81	0.84
Blue	20.35	16.27 - 24.41	1.24	0.99 - 1.49	0.00	0.00	1.34
Red	17.11	13.27 - 19.91	N/A	N/A	30.86	31.40	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 10088

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments